

SEA 10023

IN THE CLAIMS

1. (Currently Amended) A spindle motor comprising a shaft supported from a base frame and supporting on the outer diameter thereof a stator comprising a plurality of laminations supporting coils which are sequentially energized to cause rotation of a hub supporting one or more discs for rotation in a plane axially over the stator, the hub supporting a motor magnet and affixed to a back iron disposed radially adjacent to the stator coils, the back iron further supporting a flux shield extending substantially across the entire width of the motor magnet and intervening between the motor magnet and the base, the flux shield being formed of a magnetic material ~~to capture any for capturing~~ stray magnetic flux from the motor magnet.
2. (Original) A motor as claimed in claim 1 wherein the shield is comprised of steel.
3. (Original) A motor as claimed in claim 1 wherein the shield is comprised of mu metal.
4. (Original) A motor as claimed in claim 1 wherein the shield is integrated with the back iron.
5. (Currently Amended) A motor as claimed in claim 1 wherein the shield is glued to the axial end of the magnet facing the base frame.
6. (Previously Presented) A motor as claimed in claim 1 wherein the shield extends the entire width of the magnet but is limited to extending the radial width of the magnet.
7. (Currently Amended) A motor as claimed in claim 1 therein the base frame defines a well, the magnet and back iron extending axially from a lower surface of the rotor and being axially below the discs so that the stator and magnet and back iron of the motor are all axially located below the hub and the discs supported by the hub.
8. (Currently Amended) A spindle motor for a disc drive comprising a shaft supported from a base frame and supporting on the outer diameter thereof a stator comprising a plurality of laminations supporting coils which are sequentially energized to cause rotation of a hub supporting one or more discs for rotation in a plane axially over the stator, the hub supporting a motor magnet affixed to a back iron disposed radially adjacent to the stator coils, and means formed of a magnetic material ~~to capture for capturing~~ any stray magnetic flux from the motor magnet, said means being supported from the back iron and being

SEA 10023

formed of a magnetic material.

9. (Currently Amended) A spindle motor comprising a shaft supported from a base frame and supporting on the outer diameter thereof a stator comprising a plurality of laminations supporting coils which are sequentially energized to cause rotation of a hub supporting one or more discs for rotation in a plane axially over the stator, the hub supporting a motor magnet adjacent the stator and affixed to a back iron disposed radially adjacent to the stator coils and rotating over the base, the back iron further supporting a flux shield extending substantially of across the entire width of the motor magnet and intervening between the motor magnet and the base and rotating with the motor magnet, the flux shield being formed of a magnetic material to capture for capturing any stray magnetic flux from the motor magnet.

10. (Original) A motor as claimed in claim 9 wherein the shield is comprised of steel.

11. (Original) A motor as claimed in claim 9 wherein the shield is comprised of mu metal.

12. (Original) A motor as claimed in claim 9 wherein the shield is integrated with the back iron.

13. (Currently Amended) A motor as claimed in claim 9 wherein the shield is glued to the axial end of the magnet facing the base frame.

14. (Previously Presented) A motor as claimed in claim 12 wherein the shield extends the entire width of the magnet but is limited to extending the radial width of the magnet.

15. (Original) A motor as claimed in claim 14 wherein the shield is comprised of steel.

16. (Previously Presented) The motor as claimed in claim 1 wherein the flux shield is spaced from the magnet.

17. (Currently Amended) The motor as claimed in claim 8 wherein the means formed of a magnetic material to capture any for capturing stray magnetic flux from the motor magnet is spaced from the magnet.

SEA 10023

18. (Previously Presented) The motor as claimed in claim 9 wherein the flux shield is spaced from the magnet.